

Solid & Stranded Conductor Properties

AWG Size	Total Strands/ Strand Size	Type	STRAND DETAIL		NOMINAL DIAMETER		NOMINAL CROSS SECTION				APPROX. WEIGHT		NOM. BREAK STRENGTH		MAX. DC RESISTANCE	
			Lay-up	Strand Size	Inches	mm	Circ	Mils	% Solid	Sq Inches	Sq mm	Lbs/ 1,000'	Kg/ Km	Lbs	Kg	Ohms/ 1,000'
2/0	1323/30	RB	7 x 7 x 27 / 30		0.5041	12.80	132,300	99.41%	0.10390	67.04	450	670	3,637	1,650	0.08994	0.2951
2/0	1330/30	RB	19 x 70 / 30		0.4633	11.77	133,000	99.94%	0.10450	67.40	453	674	3,656	1,658	0.08947	0.2936
2/0	3325/34	RB	19 x 7 x 25 / 34		0.5245	13.32	131,969	99.17%	0.10360	66.87	472	702	3,628	1,646	0.09581	0.3144
2/0	3332/34	RB	7 x 7 x 68 / 34		0.5040	12.80	132,247	99.37%	0.10390	67.01	450	670	3,635	1,649	0.09106	0.2988
2/0	5292/36	RB	7 x 7 x 108 / 36		0.5041	12.80	132,300	99.41%	0.10390	67.04	450	670	3,637	1,650	0.09179	0.3012
3/0	1/3/0	S	1 / 3/0		0.4096	10.40	167,772	100.00%	0.13180	85.02	508	756	4,612	2,092	0.06307	0.2069
3/0	19/11	C	19 / 11		0.4535	11.52	156,303	93.16%	0.12280	79.20	487	725	4,297	1,949	0.06972	0.2287
3/0	37/14	C	37 / 14		0.4487	11.40	152,026	90.61%	0.11940	77.04	474	705	4,179	1,896	0.07160	0.2349
3/0	61/16	C	61 / 16		0.4572	11.61	157,419	93.83%	1.23600	79.77	491	730	4,327	1,963	0.06921	0.2271
3/0	133/19	RC	19 x 7 / 19		0.5385	13.68	171,412	102.17%	0.13460	86.86	589	877	4,712	2,137	0.07026	0.2305
3/0	259/22	RB	7 x 37 / 22		0.5173	13.14	165,783	98.81%	0.13020	84.01	538	800	4,557	2,067	0.06862	0.2251
3/0	259/22	RC	37 x 7 / 22		0.5313	13.50	165,783	98.81%	0.13020	84.01	570	848	4,557	2,067	0.07275	0.2387
3/0	427/24	RB	7 x 61 / 24		0.5277	13.40	172,512	102.83%	0.13550	87.42	559	832	4,742	2,151	0.06569	0.2155
3/0	427/24	RC	61 x 7 / 24		0.5427	13.78	172,512	102.83%	0.13550	87.42	593	882	4,742	2,151	0.06965	0.2285
3/0	703/26	RC	37 x 19 / 26		0.5565	14.14	177,725	105.93%	0.13960	90.06	611	909	4,885	2,216	0.06796	0.2230
3/0	1519/30	RB	7 x 7 x 31 / 30		0.5402	13.72	151,900	90.54%	0.11930	76.97	517	769	4,176	1,894	0.07834	0.2570
3/0	1665/30	RB	37 x 45 / 30		0.5184	13.17	166,500	99.24%	0.13080	84.37	567	843	4,577	2,076	0.07147	0.2345
3/0	1666/30	RB	7 x 7 x 34 / 30		0.5657	14.37	166,600	99.30%	0.13080	84.42	567	844	4,580	2,077	0.07143	0.2343
3/0	1672/30	RB	19 x 88 / 30		0.5195	13.20	167,200	99.66%	0.13130	84.73	569	847	4,596	2,085	0.07117	0.2335
3/0	4256/34	RB	19 x 7 x 32 / 34		0.5934	15.07	168,921	100.68%	0.13270	85.60	604	898	4,643	2,106	0.07485	0.2456
3/0	6783/36	RB	19 x 7 x 51 / 36		0.5945	15.10	169,575	101.07%	0.13320	85.93	606	902	4,661	2,114	0.07519	0.2467
4/0	1/4/0	S	1 / 4/0		0.4600	11.68	211,600	100.00%	0.16620	107.20	641	953	5,817	2,638	0.05001	0.1641
4/0	19/10	C	19 / 10		0.5095	12.94	197,289	93.24%	0.15500	99.97	615	915	5,423	2,460	0.05522	0.1812
4/0	37/13	C	37 / 13		0.5040	12.80	191,808	90.65%	0.15060	97.20	598	890	5,273	2,392	0.05679	0.1863
4/0	61/15	C	61 / 15		0.5139	13.05	198,885	93.99%	0.15620	100.80	620	923	5,467	2,480	0.05486	0.1800
4/0	133/18	RC	19 x 7 / 18		0.6045	15.35	216,004	102.08%	0.16960	109.50	742	1,100	5,938	2,693	0.05562	0.1825
4/0	133/18	RC	7 x 19 / 18		0.6045	15.35	216,004	102.08%	0.16960	109.50	707	1,050	5,938	2,693	0.05297	0.1738
4/0	259/21	RC	37 x 7 / 21		0.5985	15.20	210,373	99.42%	0.16520	106.60	723	1,080	5,783	2,623	0.05718	0.1876
4/0	259/21	RB	7 x 37 / 21		0.5827	14.80	210,373	99.42%	0.16520	106.60	682	1,010	5,783	2,623	0.05393	0.1769
4/0	427/23	RC	61 x 7 / 23		0.6102	15.50	218,095	103.07%	0.17130	110.50	750	1,120	5,995	2,719	0.05497	0.1804
4/0	427/23	RB	7 x 61 / 23		0.5933	15.07	218,095	103.07%	0.17130	110.50	707	1,050	5,995	2,719	0.05184	0.1701
4/0	2107/30	RB	7 x 7 x 43 / 30		0.6362	16.16	210,700	99.57%	0.16550	106.80	717	1,070	5,792	2,627	0.05648	0.1853
4/0	2109/30	RB	37 x 57 / 30		0.5835	14.82	210,900	99.67%	0.16560	106.90	718	1,068	5,797	2,630	0.05642	0.1851
4/0	5320/24	RB	19 x 7 x 40 / 34		0.6634	16.85	211,151	99.79%	0.16580	107.00	754	1,120	5,804	2,633	0.05998	0.1965
4/0	8512/36	RB	19 x 7 x 64 / 36		0.6660	16.92	212,800	100.57%	0.16710	107.80	761	1,130	5,850	2,653	0.05992	0.1966

LEGEND

- S Solid
- C Concentric
- B Bunched
- RC Rope Concentric
- RB Rope Bunched